

Title (en)  
CHARGE ROLLER

Title (de)  
AUFLADEROLLE

Title (fr)  
ROULEAU DE CHARGE

Publication  
**EP 2820484 A4 20151007 (EN)**

Application  
**EP 12869613 A 20120301**

Priority  
US 2012027201 W 20120301

Abstract (en)  
[origin: WO2013130084A1] The present disclosure discloses a charge roller (1) particularly but not exclusively for charging a photoconductor in a liquid electro-photograph (LEP) image-forming apparatus. The charge roller includes a cured composition of an epichlorohydrin / ethylene oxide / allyl glycidyl ether terpolymer, a lithium salt and carbon black.

IPC 8 full level  
**G03G 15/00** (2006.01); **F16C 13/00** (2006.01); **G03G 15/02** (2006.01); **G03G 15/10** (2006.01)

CPC (source: EP US)  
**F16C 13/00** (2013.01 - US); **G03G 15/0233** (2013.01 - EP US); **C08L 2203/20** (2013.01 - US); **C08L 2666/52** (2013.01 - US); **C08L 2666/55** (2013.01 - US); **G03G 15/10** (2013.01 - EP US)

Citation (search report)

- [XYI] JP 2008276021 A 20081113 - CANON KK
- [XY] US 2006269327 A1 20061130 - MIZUMOTO YOSHIHISA [JP]
- [XYI] JP 2004191961 A 20040708 - HOKUSHIN IND
- [IY] EP 2180376 A2 20100428 - FUJI XEROX CO LTD [JP]
- [Y] WO 2010039134 A1 20100408 - HEWLETT PACKARD DEVELOPMENT CO [US], et al
- [Y] JP 2011141322 A 20110721 - CANON CHEM INC
- See references of WO 2013130084A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013130084 A1 20130906**; CN 104081286 A 20141001; CN 104081286 B 20171027; EP 2820484 A1 20150107; EP 2820484 A4 20151007; US 10534282 B2 20200114; US 2015018182 A1 20150115

DOCDB simple family (application)  
**US 2012027201 W 20120301**; CN 201280068716 A 20120301; EP 12869613 A 20120301; US 201214375767 A 20120301